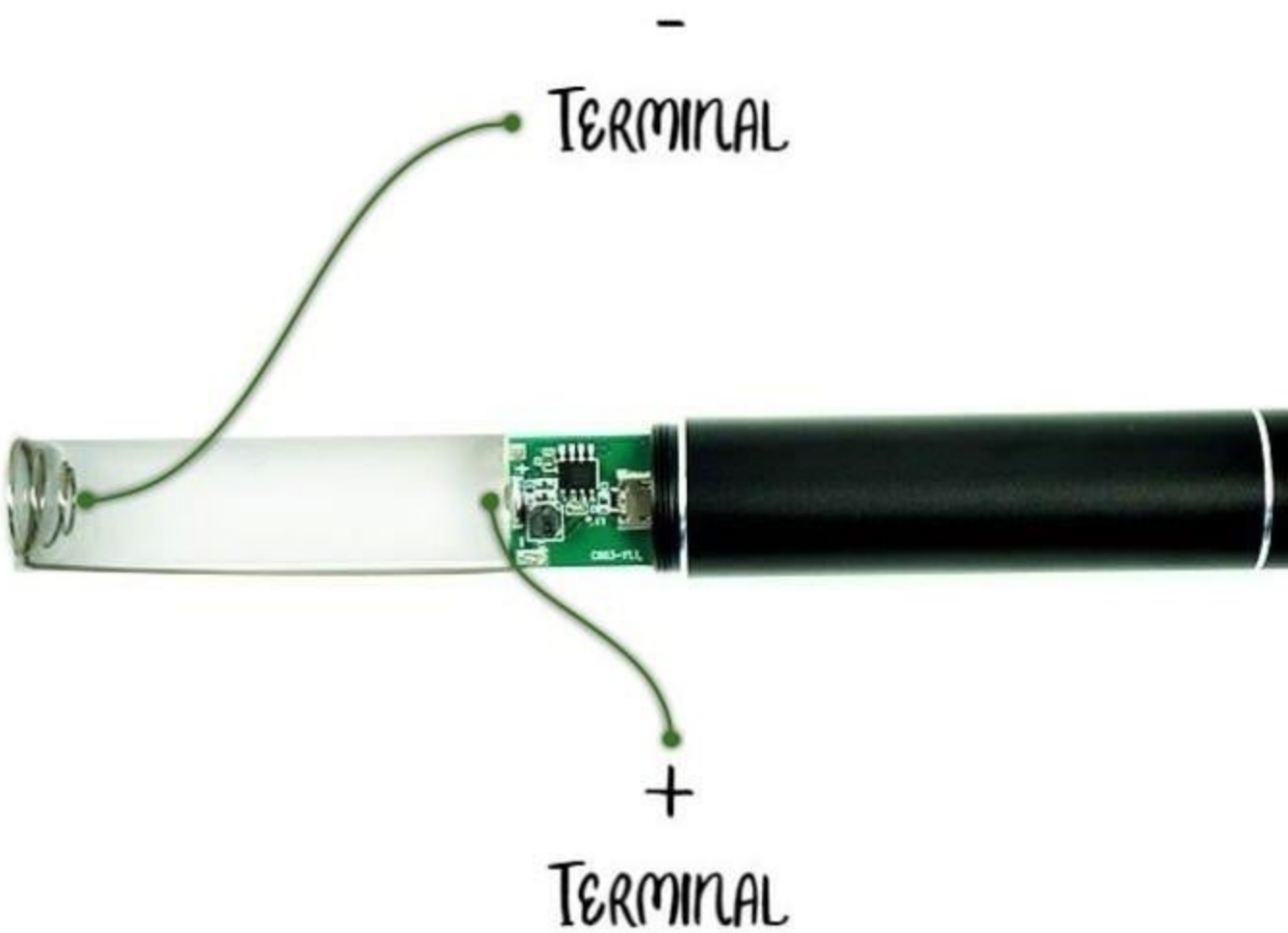
This is a single cell DIY power bank with a metal case. It is small, lightweight and portable, perfect for travelers that need on-the-go phone chargers.

Since this single-cell battery power bank can output stable 5V, rechargeable, ready with USB port, charging power; it is a very economical solution in electronic or robotic projects. you can power up your Arduino, Maker UNO or micro:bit projects using this power bank and you'll have portable projects! Simply connect your microcontroller board to this power bank, and you're good to go. Check out this video showing how you should install the power bank casing and which 18650 battery dimension you should use for the case:
Note: This DIY power bank kit **DOES NOT** come with 18650 3.7V Li-ion battery. Please note that the battery length SHOULD be less than 67mm, some batteries with protection plate in the market are NOT supported. We do carry these batteries that are compatible:

- 3.7V 2000mAh Li-ion Battery
- Panasonic NCR18650B 3400mAh 3.7V Li-ion

Note: 18650 battery comes with both ends (positive and negative) flat metal terminal and there is no protection circuit, so please take extra precaution. Check the polarity before fitting it into the battery holder. Inserting the battery with the wrong polarity will damage the onboard circuitry and void the warranty.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NCR18650B 3400mAh Li-ion Overview

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Features:

- Small and lightweight, easy to carry
- Easy case removal
- Standard USB port
- Charging-in with a USB cable, like a normal power bank
- Input: DC5V, 800mA (through micro USB)
- Output: DC 5V, 1000mA (max)
- Battery: 1 x 18650 3.7V Li-ion battery (NOT included)
- Material: Aluminum alloy + plastic
- Size (L*Dia.): 9.1*2.1cm
- Weight: 30g
- Color: Black

Packing list:

- 1 x single-cell DIY power bank with metal case